

Notice of Allowability

Application No.

10/004,054

Examiner

Vincent E. Kovalick

Applicant(s)

KRAJEWSKI ET AL.

Art Unit

2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to applicant's amendment dated 8/8/06.
2. ☒ The allowed claim(s) is/are 6, 8-16, 59, 61-69 (re-numbered 1-20).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 10/19/01
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

Response to Amendment

1. This Office Action is in response to Applicant's Amendment dated August 8, 2006 in response to USPTO Office Action dated January 23, 2006.

The cancellation of claims 1-5, 7, 55-58 and 60 and the withdrawal of claims 17-54 and 70-137 are sufficient to place the application in a condition for allowance as set forth hereinbelow.

Examiner's Amendment

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

3. Authorization for this examiner's amendment was given in a telephone interview with the Applicant's Attorney, Mr. William O'Driscoll (Reg. No. 33,294) in a telecon on September 18, 2006.

- Please cancel claims 17-54 and 70-137 which are currently indicated as being withdrawn.

Allowable Subject Matter

4. Claims 6, 8-16, 59 and 61-69 are allowed.

5. The following is an examiner's statement of reasons for allowance:

Relative to claims 6 and 59, the major difference between the teachings of the prior art of record (Mussler et al. (USP 4,710,758 ; Richardson et al. , USP 5,459,458 and Colgan et al., USP 6,529,189) and that of the instant invention is that said prior art of record **does not teach** a touch-screen display apparatus configured to sample at least eight independent digital signals corresponding to at least eight independent voltage levels on said bus bars of said analog resistive screens and corresponding to various combinations of said analog resistive screens being powered on, powered off, touched, and not touched.

Regarding claims 8, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art of record **does not teach** a touch-screen display apparatus wherein said first digital signal corresponds to a voltage level sampled from a bus bar of a second analog resistive screen of said touch-screen display system that is not powered on and is touching a first analog resistive screen of said touch-screen display system that is powered on.

Regarding claims 15 and 68, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art of record **does not teach** a touch-screen display apparatus wherein a processor is responsive to said calibrated pixel coordinate estimates to generate corrected calibrated pixel coordinate estimates due to any mismatch between spatial locations of said bus bars of said analog resistive screens and edges of active areas of said analog resistive screens.

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As to claims 16 and 69, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art of record **does not teach** a touch-screen display apparatus wherein a processor is responsive to said calibrated pixel coordinate estimates to generate corrected calibrated pixel coordinate estimates due to any mismatch between spatial locations of edges of active areas of said analog resistive screens and active areas of a display of said touch-screen display system.

Regarding claim 61, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art of record **does not teach** a touch-screen display system wherein said first digital signal corresponds to a voltage level sampled from a second reference touching a first axis of said touch-screen display system that is powered on.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U. S. Patent No. 6,016,140 Blouin et al.

U. S. Patent No. 5,283,559 Kalendra et al.

U. S. Patent No. 4,220,815 Gibson et al.


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To Respond

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vincent E. Kovalick whose telephone number is 571-272-7669. The examiner can normally be reached on Monday-Thursday 7:30- 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached on 571-272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Vincent E. Kovalick
September 18, 2006


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TECHNOLOGY CENTER 2600